

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-82 (canceled)

Claim 83 (new): A two part dialysis solution comprising:
 a bicarbonate concentrate; and
 an electrolyte concentrate, wherein the bicarbonate concentrate and the electrolyte concentrate include a physiological amount of sodium ranging from about 100 mmol/L to about 173 mmol/L, and wherein the two part dialysis solution does not include acetate.

Claim 84 (new): The two part dialysis solution of claim 83, wherein a mixed solution of the bicarbonate concentrate and the electrolyte concentrate comprises about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 85 (new): The two part dialysis solution of claim 83, wherein the bicarbonate concentrate is stored in a first chamber of a multi-chamber container and the electrolyte concentrate is stored in a second chamber of the multi-chamber container.

Claim 86 (new): The two part dialysis solution of claim 83, wherein the two part dialysis solution is a hemodialysis solution.

Claim 87 (new): The two part dialysis solution of claim 83, wherein the two part dialysis solution is a continuous renal replacement therapy solution.

Claim 88 (new): The two part dialysis solution of claim 83, wherein the two part dialysis solution is an infusion solution.

Claim 89 (new): The two part dialysis solution of claim 83, wherein the two part dialysis solution is a peritoneal dialysis solution.

Claim 90 (new): A method of providing dialysis to a patient comprising:
providing a two part dialysis solution not including acetate, the two part dialysis solution comprising a bicarbonate concentrate and an electrolyte concentrate wherein the bicarbonate concentrate and the electrolyte concentrate include a physiological amount of sodium ranging from about 100 mmol/L to about 173 mmol/L.
mixing the bicarbonate concentrate and the electrolyte concentrate to form a mixed solution; and
using the mixed solution during dialysis.

Claim 91 (new): The method of claim 90, wherein the mixed solution includes about 0 mmol/L to about 2.0 mmol/L of calcium, about 0 mmol/L to about 1.5 mmol/L of magnesium, about 0 mmol/L to about 5 mmol/L of potassium, about 20 mmol/L to about 45 mmol/L of bicarbonate, about 70 mmol/L to about 130 mmol/L of chloride, about 0 mmol/L to about 45 mmol/L of lactate, and about 0 g/L to about 2.5 g/L of anhydrous glucose.

Claim 92 (new): The method of claim 90, wherein the mixed solution is used during hemodialysis.

Claim 93 (new): The method of claim 90, wherein the mixed solution is used during continuous renal replacement therapy.

Claim 94 (new): The method of claim 90, wherein the mixed solution is infused into the patient as an infusion solution.

Claim 95 (new): The method of claim 90, wherein the mixed solution is used during peritoneal dialysis.